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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/966,079 10/01/2001		Shoichiro Fujiwara	110730	5391	
25944	7590 09/29/2003				
OLIFF & BE	ERRIDGE, PLC		EXAMINER		
P.O. BOX 199 ALEXANDR	028 IA, VA 22320		SNAY, JE	SNAY, JEFFREY R	
			ART UNIT	PAPER NUMBER	
			1743		
	•		DATE MAILED: 09/29/2003	DATE MAILED: 09/29/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application N .	Applicant(s)					
Office Action Summary		09/966,079	FUJIWARA ET AL.					
		Examiner	Art Unit					
		Jeffrey R. Snay	1743					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address								
Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)	Responsive to communication(s) filed on	_						
2a) <u></u> —	·	is action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims								
4)⊠ Claim(s) <u>1-9</u> is/are pending in the application.								
4	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)□	5) Claim(s) is/are allowed.							
6)⊠	6) Claim(s) <u>1-9</u> is/are rejected. 7) Claim(s) is/are objected to.							
7)								
	Claim(s) are subject to restriction and/or	election requirement.						
Application Papers								
·	9) The specification is objected to by the Examiner.							
10)⊠ The drawing(s) filed on <u>01 October 2001</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.								
If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner.								
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Priority under 35 U.S.C. §§ 119 and 120 13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
_	a) ⊠ All b) □ Some * c) □ None of:							
•	1. ☐ Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.								
14)∐ Ad	Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
	 a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. 							
Attachment(s)								
2) Notice	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449) Paper No(s) 2.	5) Notice of Informa	ary (PTO-413) Paper No(s) Il Patent Application (PTO-152)					

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Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-9 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Asher et al.

See particularly the disclosure of Asher et al at column 2, lines 12-24, disclosing a sensor comprising a volume changing polymer combined with a colloidal array. The sensor further includes a bio-substance-responsive material in the form of, e.g. antigens, antibodies or enzymes. See column 8, lines 49-56. In use, a sample is contacted with the sensor such that a biological substance interacts with the bio-substance responsive material so as to cause a change in volume of the polymer. The resultant volume change effects the optical characteristics of the colloidal array, which optical characteristics are then measured either spectrophotometrically or visually for a change of color indicative of the analyte detected. See column 12, lines 4-8.

Regarding instant claim 6, it is noted that the recited limitation would have been wholly dependent upon a particular application. Thus, the limitation is fully met by the

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disclosure of Asher et al since under the appropriate conditions of contact with a sample of sufficient concentration for sufficient time, the claimed degree of volume change would have resulted. In other words, the sensor of Asher et al was inherently capable of performing the recited process limitation.

Regarding instant claim 7, see Asher et al at column 12 disclosing the provision of a spectrophotometer, which would have inherently including an optical waveguide.

3. Claims 1-9 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Akashi et al ('485).

See particularly column 4, lines 56-67 and claims 1-20.

The applied reference has a common inventor with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Reimer similarly discloses a sensor in which a swellable polymer is combined with a light modulation material.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey R. Snay whose telephone number is (703) 308-4032. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill A. Warden can be reached on (703) 308-4037. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

Jeffrey R. Snay Primary Examiner Art Unit 1743

jrs

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